

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1-5. (Cancelled)

6. (New) A receiver unit comprising:

at least two signal receivers for receiving analog signals;

a common analog-digital converter for converting analog signals into digital received signals;

a digital signal processing unit for the digital received signals; and

at least one adder situated at an output of the signal receivers for adding the analog received signals, the adder having an output connected to an input of the analog-digital converter, the digital signal processing unit being configured to separate the added received signals.

7. (New) The receiver unit according to claim 6, wherein the signal receivers include mixers for mixing analog receiver units to different intermediate frequencies.

8. (New) The receiver unit according to claim 6, wherein at least one of the signal receivers is configured for mixing an analog received signal to an intermediate frequency, and at least one other of the signal receivers is configured for receiving and filtering one defined receiving frequency band and adding the receiving frequency band to the intermediate frequency signal.

9. (New) The receiver unit according to claim 6, wherein the signal receivers are for simultaneously receiving analog received signals, at least one of (a) on different channels and (b) according to different transmission standards.

10. (New) A method for receiving analog signals, comprising:

simultaneously receiving a plurality of analog signals using at least two signal receivers;

adding the analog received signals using an adder;

analog-digital converting the added signals using an analog-digital converter; and

separating the converted signals into digital received signals corresponding to the analog received signals.

11. (New) The method according to claim 10, wherein the analog signals are radio broadcast signals.